

Title (en)

Distributor chute for a receptacle for transferring and for storage of fragile products

Title (de)

Verteilerrutsche für einen Behälter zur Übergabe und Speichern von zerbrechlichen Gegenständen

Title (fr)

Toboggan répartiteur pour enceinte de transfert et de stockage de produits fragiles

Publication

**EP 1348649 A3 20031217 (FR)**

Application

**EP 03100571 A 20030307**

Priority

- EP 03100571 A 20030307
- EP 02100309 A 20020327

Abstract (en)

[origin: EP1348649A2] Spiral distributor for container has slide with flat surface inclined towards central well A chute has at least one spiral slide (2) turned about a vertical axis (Z) to form a central well (4). Each slide has a constant pitch and a flat surface that is inclined towards the central well, the angle of inclination being such that products discharged onto the upper end of the slide(s) at a speed sufficient for centrifugal force to keep them on the slide will move towards the central well if the centrifugal force drops to zero or below a critical value. The slides are supported by rods (12) with couplings (14) that allow the angle to be adjusted.

IPC 1-7

**B65G 11/06**; **B65G 11/20**; **B65G 11/18**; **B65G 69/16**

IPC 8 full level

**B65G 11/06** (2006.01); **B65G 11/18** (2006.01); **B65G 11/20** (2006.01); **B65G 69/16** (2006.01)

CPC (source: EP)

**B65G 11/066** (2013.01); **B65G 11/186** (2013.01); **B65G 11/206** (2013.01); **B65G 69/16** (2013.01)

Citation (search report)

- [XY] GB 769312 A 19570306 - QUALTER HALL & CO SALES LTD
- [Y] US 4176997 A 19791204 - HUNGERBACH PAUL [DE]

Cited by

CN107054919A; CN116119247A; GB2611327A; GB2611327B; US8025472B2; US7753086B2; US10279330B2; US7673660B2; EP1594605B1

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DOCDB simple family (publication)

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